

**CLAIMS**

1. A printing machine arm and press combination in which the printing machine has a pallet arm for supporting an article to be printed and the press includes

- 5 a) a platen frame, adapted to encompass the pallet arm, mounted on a support and moveable vertically relative to said support
- b) an upper platen, adapted to lie above the pallet arm, mounted to the platen frame
- c) a lower platen mounted on the platen frame the lower platen being positioned below the pallet arm upwardly moveable to abut the pallet arm
- 10 d) control means which allows the frame to move downwardly when the lower platen is raised.

2. A transfer heat press which includes

- 15 a) a platen frame mounted on a support and moveable vertically relative to said support
- b) an upper platen mounted to the platen frame incorporating means to heat said upper platen
- c) a lower platen mounted on the platen frame the lower platen being moveable toward the upper platen
- 20 d) control means which allows the frame to move downwardly when the lower platen is raised toward the upper platen.

3. A transfer heat press as claimed in claim 2 in which the platen frame is a C shaped frame.

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- 4. A transfer heat press as claimed in claim 2 in which the platen frame is supported by a pneumatic or hydraulic ram.
- 5. A transfer heat press as claimed in any preceding claim in which the lower platen reciprocates relative to the press frame.